## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO.  | DATE     |  |  |
|---------------------------|----------|---------|----------|--|--|
| FEE DETERMINATION         |          |         |          |  |  |
| O.I.P.E. CLASSIFIER       |          |         |          |  |  |
| FORMALITY REVIEW          | TB       | TE 1108 | 12.06.01 |  |  |
| RESPONSE FORMALITY REVIEW | 2186     | (091    | 6/05/07  |  |  |
|                           |          |         | 10000    |  |  |

## INDEX OF CLAIMS

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

|         |                      |            |          |                |              | -          | ÷        |          | ••••   | ••••     | •••••             |
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| ۲       | laim                 | ļ.,        | 2/1.70   |                |              | -,-        | ate      | -        | _  |          |                   |
|         | न                    | 15         | 96       | 4              | 7            | 1          |          |          |  | 1        | 1                 |
| ā       | Priginal             | 迖          | l.       |                | N            |            |          | 1        |  | 1        |                   |
| Final   | Iā                   | 15         | 12       | 13             |              |            |          | 1        | -  |          | 1                 |
| -       | Q                    | 汝          | 1.       | # <del>.</del> | <del>}</del> | +          | +        | +-       | ╁  | ╁        | +                 |
| _       |                      | <b>/</b> ` | +-       | 14             | 4            | ┿          | ╀        | +-       | ┿-   | +        | 4                 |
|         | . 2                  | Ш          | Ц        | 11             | ┸            | ┸          | $\perp$  | 1        | ┸  | $\perp$  |                   |
|         | 3                    | H          | 17       | П              |              |            | ì        | 1        | 1  |          |                   |
|         | (4)                  | П          | П        | $\sqcap$       | Т            | T-         | 1        | $\top$   |  |          | $\top$            |
|         | 5                    | П          | 11       | Ħ              | +            | †-         | *        | +        | +  | †        | †                 |
| -       | 6                    | H          | ΙŻ       | ₩              | +            | ╁          | +        | +-       | +-   | ╁        | +                 |
| -       | $\pi$                | ₩          | N        | ⊬≚             | +            | .ļ—        | +        | +        | +-   | ╁        | 1                 |
| _       | ₩                    | 11         |          | Щ.             | ╀            | ╀-         | +        | _        | 4_   | ╄        | ╄                 |
| _       |                      | М          | 12/      | _              | 1_           | 1_         | ┸        | 1_       | L  | $\perp$  |                   |
|         | 1 h                  | ( N        | 7        |                |              |            |          |          |  | 1        |                   |
|         | (16)                 | Г          | 1        | ~              |              |            | Т        |          | Τ  | Τ        |                   |
|         | 11                   | T          | T        | Ti             | 1            | +          | 1        | 1        | 1  | T        | †-                |
| _       | 13                   | ┢          | 1-       | ††             | H            | ╁          | +-       | +-       | +  | ╁╌       | ╁                 |
| -       | 13                   | ₩          | +-       | ₩              | ╁            | +          | +-       | -        | +  | ╁        | ╁                 |
| -       | →—                   | ⊢          | ╄        | ₩              | ╄            | ↓          | ╄.       | +        | $\vdash$   | ╀        | ╀-                |
|         | 14                   | _          | _        | Ш              | L            |            | ┸        | $\perp$  | L  | ⊥_       | _                 |
|         | 15                   |            |          | П              |              |            |          | 1        |  | ĺ        |                   |
|         | 16                   |            | Г        | П              |              | Т          | Т        | Ţ        |  | Т        |                   |
|         | 17                   | _          | $\top$   | П              | †-           | $\top$     | $\top$   | 1        | $\top$   | t        | 十                 |
|         | 18                   | -          | ┤        | H              | ╁            | +          | ╁        | +-       | ╁╾   | ╁        | +                 |
|         |                      | ⊢          | Ͱ        | H              | ┼            | ┿          | ╀        | -        | +  | ╀        | ┼                 |
|         | 19                   | <u> </u>   | ┞        | Н              | ╄            | ـــــ      | 1        | ↓        |  | ㅗ        | ļ.,               |
|         | 20                   |            |          | Ц              |              |            |          |          |  | 1        |                   |
|         | 21                   |            | T        | П              | Т            | T          | T        |          | $\top$   | Τ        | T                 |
|         | 22                   | 1          | $\vdash$ | Ħ              | †            | +          | +        | 1        | +  | +        | $\vdash$          |
|         | 23                   | -          | H        | ╁┼             | ╁╌           | ┿╌         | +        | +        | ╁  | ╆        | ┼                 |
|         | 24                   | <u> </u>   | -        | ╁┼             | ⊢            | ╁          | ╁        | ┿        | ╄  | ╀        | ┼                 |
|         | _                    | ╙          | <u> </u> | Н              | ╙            | _          | ╄        | ↓_       | <del> </del> _   | _        | _                 |
|         | 25                   |            |          | Ш              | _            | ┖          | L        | <u> </u> |  | L        |                   |
|         | 26                   |            |          | l٧             | 1            | 1          |          |          |  |          |                   |
|         | 27                   |            |          | V              | 1            | Τ          | Т        | 1        |  | Т        | Г                 |
|         | 28                   |            |          | 1              | ┢            | 1          | $\vdash$ | t        | t  | t        | <del> </del>      |
|         | 29                   | _          | ⊢        | ╁              | -            | ╁          | ╁        | +        | ├  | ╁        | $\vdash$          |
|         | 30                   | _          | ├        | ╀              | -            | <b>├</b> - | ┼        | +-       | +  | ├        | -                 |
|         |                      |            | L        | #              | <u> </u>     | ╙          | ┺        | ↓_       | _  | <u> </u> | L                 |
|         | 31                   |            | _        | Ш              | <u> </u>     |            | L        |          | L  | Ŀ        |                   |
|         | 32                   |            | ]        | П              |              |            | 1        | 1        | 1  | 1        | l _               |
|         | 33                   |            |          | П              |              |            | Π        | T        |  | Ī        | Г                 |
|         | 34                   |            | $\vdash$ | Ħ              | $\vdash$     | T          | $t^{-}$  | +        |  | T        | $\vdash$          |
| _       | 35                   | _          | $\vdash$ | +              | -            | +-         | +-       | +        | $\vdash$   | +        | ┢                 |
|         | 36                   |            | ١.       | #              | -            | 1          | ┼        | +-       | $\vdash$   | $\vdash$ | ├                 |
|         |                      |            | Ļį.      |                | 1            | <b>↓</b>   | <b>├</b> | ↓_       | ┞  | ⊢        | ⊢                 |
|         | 37                   |            | 1        |                | $oxed{oxed}$ | <u> </u>   | _        | L.       | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | 丄        | <u>L</u>          |
|         | 38                   |            | Ľ.       | 1              | L            |            | L        | L        | L  | L        | L                 |
|         | 39                   |            | •        | V              | 1            | 1          | I _      |          | -  |          |                   |
|         | 40                   |            | Г        | $\sim$         | Γ            | T          | $\Gamma$ |          | Г  | Г        |                   |
|         | 41                   | -          | $\vdash$ |                | $\vdash$     | -          | +-       | +        | -  | $\vdash$ | H                 |
|         |                      | _          | <u> </u> |                |              | ├—         | $\vdash$ | $\vdash$ | <b> </b>   | ├-       | $\vdash$          |
|         | 42                   |            | Ļ        | L              | <u> </u>     | _          |          | <u> </u> | <u></u>  | <u> </u> | $ldsymbol{f eta}$ |
|         | 43                   |            |          |                | L            |            | L        | L        | L  | L        |                   |
| _       | 44                   | . 7        |          |                |              | [          |          |          |  |          |                   |
|         | , ,,,                | _          |          | $\vdash$       | _            | _          |          |          | $\vdash$   |          | Н                 |
|         |                      | ı          |          |                |              |            |          | 1        |  | ,        |                   |
|         | 45                   | _          |          |                |              |            | $\vdash$ |          |  |          | !                 |
|         | 45<br>46             | _          |          |                | _            |            |          | _        |  |          |                   |
|         | 45<br>46<br>47       |            |          |                |              |            |          |          |  |          |                   |
|         | 45<br>46<br>47<br>48 |            |          |                |              |            |          |          |  |          |                   |
|         | 45<br>46<br>47       |            |          |                |              |            |          |          |  |          |                   |

|          | Restricted    |          |              |          |          |          |          | )        |              |  |          |  |  |  |
|----------|---------------|----------|--------------|----------|----------|----------|----------|----------|--------------|--|----------|--|--|--|
| CI       | aim           | Т        |              |          |          |          | ate      | nte      |              |  |          |  |  |  |
| $\Gamma$ | Τ-            | 7        |              | Т        | T        | Т        |          | Т        | Т            |  | T        |  |  |  |
| =        | Original      | , l      |              |          | 1        | 1        |          | 1        |              |  |          |  |  |  |
| Final    | ΙĔ            | 1        |              | ĺ        | ſ        |          |          | 1        | 1            |  |          |  |  |  |
| 一        | 51            | _        | +-           | +        | +        | +        | +        | +-       | +-           | ╁  | +        |  |  |  |
| $\vdash$ | 52            |          | +-           | +-       | +        | +        | +-       | +        | +-           | +-   | +        |  |  |  |
| $\vdash$ | 53            |          | ╁            | +        | ╁        | +        | +        | +-       | +-           | +  | ╁        |  |  |  |
| $\vdash$ | 54            | _        | ┿            | +        | ╀        | ╀        | +-       | +        | +            | +  | ╁        |  |  |  |
| -        | 55            |          | ╫            | +        | +        | ╁        | +        | +        | +-           | ╁  | ┢        |  |  |  |
| $\vdash$ | 56            | -        | ╁            | +        | +        | +        | +        | +-       | +            | +  | ┼        |  |  |  |
| _        |               |          | ┼            | +        | +        | +        | +        | ╀        | ╁-           | 1-   | _        |  |  |  |
| _        | 57            | _        | -            | ╀        | +        | +        | ╄        | +        | ╁            | +-   | ╙        |  |  |  |
| <u> </u> | 58            | _        | ╀            | 4        | $\perp$  | 4        | 4        | +        | 4_           | ╄  | <u> </u> |  |  |  |
| ┝        | 59            | -        | ╄            | 1        | $\perp$  | ╄        | ╀-       | 1_       | 4_           | 上  | <u> </u> |  |  |  |
| L        | 60            |          | $\perp$      | 1        | ↓_       | 1        | 1_       | ┸        | ┖            | 1_   | <u> </u> |  |  |  |
| L        | 61            |          |              | 1        | 1        |          | _        | 丄        | L            | _  |          |  |  |  |
| L        | 62            |          | Ц_           | $\perp$  | $\perp$  |          | L        | $\perp$  | ┸            | _  |          |  |  |  |
| L        | 63            | _        | ⊥_           | L        |          |          | <u> </u> |          |              |  |          |  |  |  |
|          | 64            | _        |              | 1        |          |          |          |          |              |  |          |  |  |  |
|          | 65            |          | Т            | Т        |          | Π        | L        |          | T            |  |          |  |  |  |
|          | 66            | Γ        | 7            | Т        | Т        | T        | T        | Т        | Т            | T  |          |  |  |  |
|          | 67            | Г        | Т            | 1        | T        | Т        | T        | T        |              |  |          |  |  |  |
| П        | 68            |          | T            | 1        | †        | $\top$   | Т        | 1        | $\top$       | T  |          |  |  |  |
| Г        | 69            | 1        | †-           | t        | 十        | 1        | ╁        | 1        |              | 十  | Н        |  |  |  |
| $\vdash$ | 70            | -        | 1            | t        | +        | ╁        | $\vdash$ | ╁        | $\vdash$     | +-   | Н        |  |  |  |
| H        | 71            | ⊢        | ╀╌           | ╆        | +        | +-       | ╁        | ╁        | ╀            | ╁  | Н        |  |  |  |
| H        |               | ┝        | ╀            | 1        | ╁        | ╀╌       | ╁        | -        | ╁            | ₽  |          |  |  |  |
| -        | 72<br>73      | ⊢        | +-           | +        | ╀        | +        | -        | 1        | +            | ـ  | Н        |  |  |  |
| -        | 74            |          | ╄            | +        | +-       | ╀        | ╀        | ┼        | ┼            | ╀  | Н        |  |  |  |
|          | _             | _        | ╀            | ╀        | +        | ╄        | ╀        | ╄        | -            | ╄  | Н        |  |  |  |
| _        | 75            | <u> </u> | ╄-           | ╀        | 4        | ╄-       | ╄        | ╄-       | ┞            | <u>ļ                                    </u> | Ш        |  |  |  |
| Н        | 76            | _        | ╄-           | ╀-       | ╄-       | ╄        | ↓_       | ↓_       | ╄            | ↓_   | L        |  |  |  |
|          | 77            | _        | ╄            | ╄        | 4_       | ↓_       | ┺        | 上        | L            | ļ  | Щ        |  |  |  |
|          | 78            | L        | ╙            | <u> </u> | 1        | ┺        | ╙        | Ļ.       | Ļ            | <u> </u>                                     | Ш        |  |  |  |
|          | 79            | _        | <u> </u>     | <u> </u> | 1_       | <u> </u> | 上        | L        | L            | L  |          |  |  |  |
|          | 80            |          |              | 丄        | _        | L        |          |          | <u> </u>     | L_   |          |  |  |  |
|          | 81            | L        | L            | <u> </u> |          | ┖        |          | L        |              | L  |          |  |  |  |
| Ш        | 82            |          | L            | L        |          |          | L        | L        |              | L  |          |  |  |  |
| Ш        | 83            |          |              | L        |          | <u>L</u> | L        |          | 1            | L  |          |  |  |  |
|          | 84            |          |              |          | L.,      |          |          |          |              | I  |          |  |  |  |
|          | 85            |          |              |          |          |          | Г        |          |              |  |          |  |  |  |
|          | 86            |          |              |          |          | Ĺ.,      |          |          | П            |  |          |  |  |  |
|          | 87            |          |              |          |          |          |          | П        | Г            |  |          |  |  |  |
|          | 88            | -        | Π            | Γ        | Г        | П        | Γ        |          | П            |  |          |  |  |  |
|          | 89            |          | Π            | 1        |          | П        |          |          |              |  |          |  |  |  |
|          | 90            |          |              |          |          | Γ        |          |          | Г            |  |          |  |  |  |
|          | 91            | _        |              | $\vdash$ | 1        | $\vdash$ | H        | H        | _            | 1  | Н        |  |  |  |
| _        | 92            |          | <del> </del> | -        |          | $\vdash$ | +-       | $\vdash$ | -            | $\vdash$                                     | $\vdash$ |  |  |  |
| -        | 93            |          | +-           | -        | ┢        | ┢        | $\vdash$ | -        | 1            | $\vdash$                                     | $\dashv$ |  |  |  |
|          | _             | -        | +-           | -        | -        | $\vdash$ | $\vdash$ | $\vdash$ | -            | $\vdash$                                     | $\dashv$ |  |  |  |
|          | 94<br>95      | -        | ⊢            | -        | ├        |          | $\vdash$ | $\vdash$ | <del> </del> | H  | $\dashv$ |  |  |  |
| -        | $\rightarrow$ | -        |              | <u> </u> | -        | $\vdash$ | $\vdash$ | $\vdash$ | ├—           | H  | $\dashv$ |  |  |  |
| _        | 96            | _        | $\vdash$     | _        |          |          | <u> </u> | _        | <u> </u>     |  | 4        |  |  |  |
|          | 97            |          | _            | <u> </u> | _        | <u> </u> | _        |          | L            | Ш  | _        |  |  |  |
| _        | 98            | _        | ļ            |          | <u> </u> | <u> </u> | L.       | ļ        | L            | Ш  | _        |  |  |  |
| 12       | 99            |          |              |          |          | l        | Ι.       | Ľ.       |              | ı İ  | ı        |  |  |  |

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|---------------|------------|----------|----------|----------|----------|----------|--------------|--|----------|----------------|
| 1 1           | Original   |          |          |          |          |          |              |  |          |                |
| _             | _          | +        | ┿        | +        | ┼        | ╀        | ╀            | <del> </del>                                     | Ļ        | 1              |
|               | 101        | +        | +        | +        | -        | ╄        | ╄            | 1_   | ╀        | <u> </u>       |
|               | 102<br>103 | +        | +        | +-       | +-       | +        | ╀            | ļ.   | ┞        | ╀              |
|               | 104        | ╀        | ╄        | ┿        | ╄        | ╄        | ╄-           | 4  | ┡        | ╄              |
|               | 105        | +        | ╁        | +-       | ╁        | ╀        | ╀╌           | ┼-   | ╀        | ╁              |
|               | 06         | ┰        | +        | +        | +-       | +-       | ╀            | ╁╌   | ╀        | ₽              |
|               | 07         | +        | ╁        | +        | ╁╌       | ╁        | ╀            | ┼-   | ╀        | ╀              |
|               | 08         | ╁        | ╁        | ┿        | +        | ╁        | ╁            | ╂╌   | ╁        | ╁              |
| $\rightarrow$ | 09         | +        | +        | ╁        | +        | ╁        | ╁            | +-   | H        | ╁              |
|               | 10         | +        | +        | ╁        | ╁        | ╁        | ╁            | -  | H        | ╁              |
|               | 11         | +        | +-       | ╁        | +        | ╁        | +-           | H  | ┝        | ╁              |
|               | 12         | +-       | +-       | +        | $\vdash$ | ╆        | ╁            | Н  | -        | ╁              |
|               | 13         | +        | +        | +        | +        | ╁        | $\vdash$     | $\vdash$   | H        | ╁              |
| $\rightarrow$ | 14         | +        | +        | t        | ╁╌       | $\vdash$ | +            | -  | H        | $\vdash$       |
|               | 15         | +        | †        | T        | 十        | †        | <u> </u>     | $\vdash$   | $\vdash$ | ٢              |
|               | 16         | +        | †        | ✝        | T        | ┢        | †-           | ┪  | t        | 1              |
| 1             | 17         | +        | 十        | T        | t        | T        | T            | <del> </del>                                     | ┢        | t              |
| _             | 18         | $\top$   |          | t        | †-       | T        |              | _  | ┢        | <del>†</del> – |
| 1             | 19         |          | t        | †        | T        |          | <del> </del> | T  | H        | <del> </del>   |
|               | 20         |          | t        |          | 1        | t        | 1            | <del>                                     </del> | Г        | 1              |
|               | 21         | +        | +-       | ╁        | ╁        | ┿        | ├            | +-   |          | ├              |
|               | 22         | +        | T        | ╁┈       | 1-       | +-       | $\vdash$     |  | Н        | $\overline{}$  |
|               | 23         | +        | +        | †        | t        | 1        | 1            | 1-   | Н        | $\vdash$       |
| 1:            | 24         | +-       | $\vdash$ |          | ╁        | t        | 一            | <del> </del>                                     | ┢        |                |
|               | 25         | †        | ✝        |          |          | 1        | T            | $\vdash$   | Ι-       | T              |
| _             | 26         |          | $\vdash$ | Т        | Т        | Ι        | Т            |  | <u> </u> | T              |
|               | 27         | T        |          |          | $\vdash$ | Τ        |              | <del> </del>                                     |          | $\vdash$       |
| 1:            | 28         | 1        | T        | Г        |          |          | 1            | Г  | $\vdash$ |                |
| 12            | 29         | T        | Т        | Г        |          |          |              |  | _        |                |
| 1;            | 30         | Τ        | Г        | П        |          | T        | Π            |  |          |                |
| 1:            | 31         |          |          |          |          |          | П            |  | Γ        |                |
| 1:            | 32         |          |          |          |          |          |              |  |          |                |
|               | 33         | T        |          |          | Π        |          |              |  |          |                |
|               | 34         |          |          |          |          |          |              |  |          |                |
|               | 35         | L        |          |          | L        | L        |              |  |          |                |
|               | 36         | _        |          |          | L        | _        | L            |  |          |                |
| _             | 37         | ╙        | L        | L        |          |          |              | L  |          |                |
| _             | 38         | $\perp$  | Ļ        | L        | <u> </u> | _        |              | Ш  |          |                |
| 13            |            | <u> </u> | _        | <u>L</u> | <u> </u> |          |              |  | _        |                |
| 14            |            |          |          |          | _        |          | L.           |  |          |                |
|               | 41         |          | L        | L        |          | L        |              |  |          |                |
| 14            |            | <u> </u> | _        |          | Ĺ        | Ш        |              |  |          |                |
| 14            |            | _        | L        | L        | _        |          |              |  |          |                |
|               | 14         | <u> </u> | L        |          |          | Ш        | l            | _]   |          |                |
| 14            |            | <u> </u> |          | Ш        |          | Ш        |              |  |          |                |
| 14            |            | L.,      | _        |          |          | $\Box$   |              | _  |          |                |
| 14            |            |          |          |          |          |          |              | $\Box$   |          |                |
| 14            |            | <u> </u> |          |          |          |          | $\perp$      | _4   | _        | _              |
| 14<br>15      | 9          |          | Щ        | Щ        | $\Box$   |          | _            | _  | _        | _              |
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